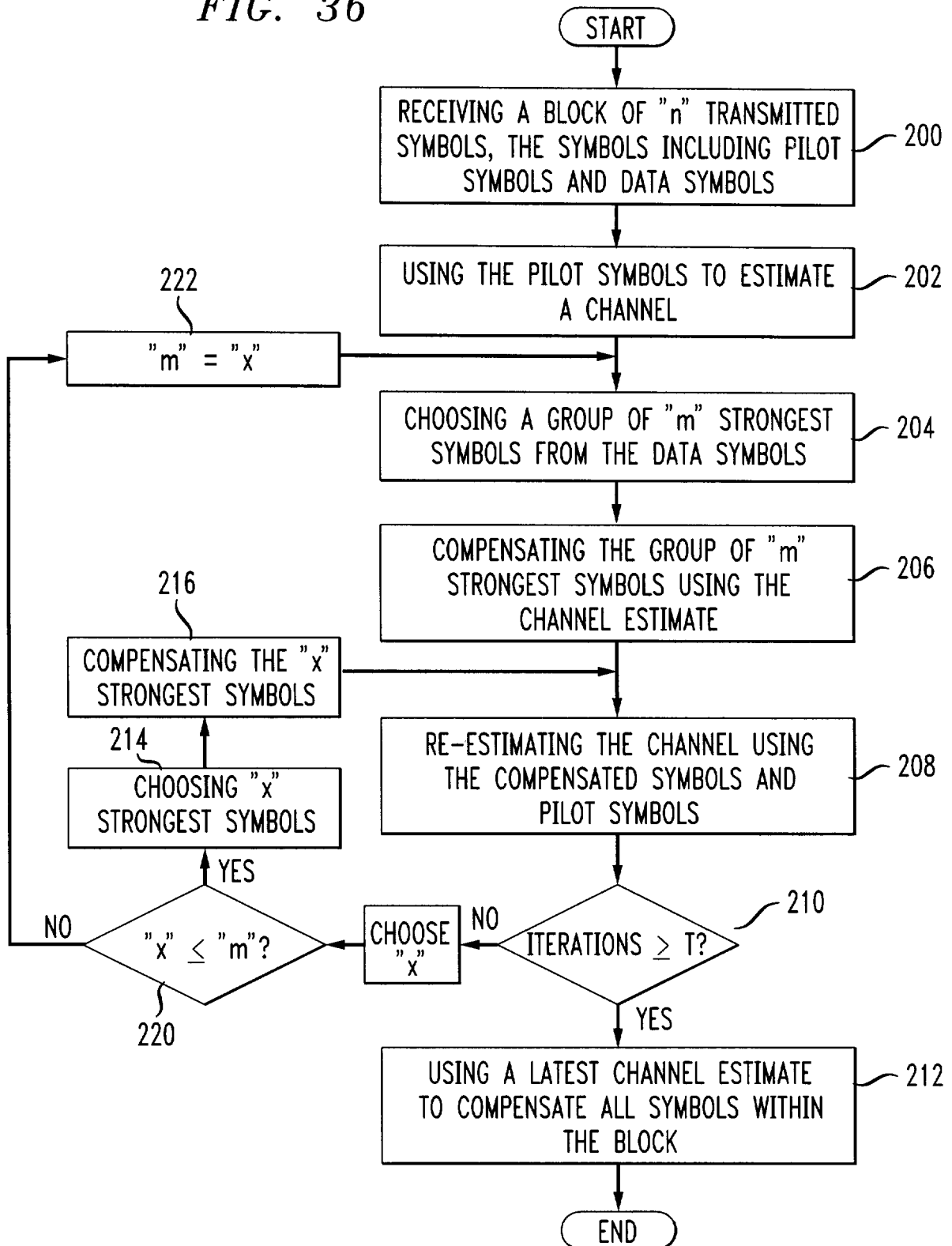
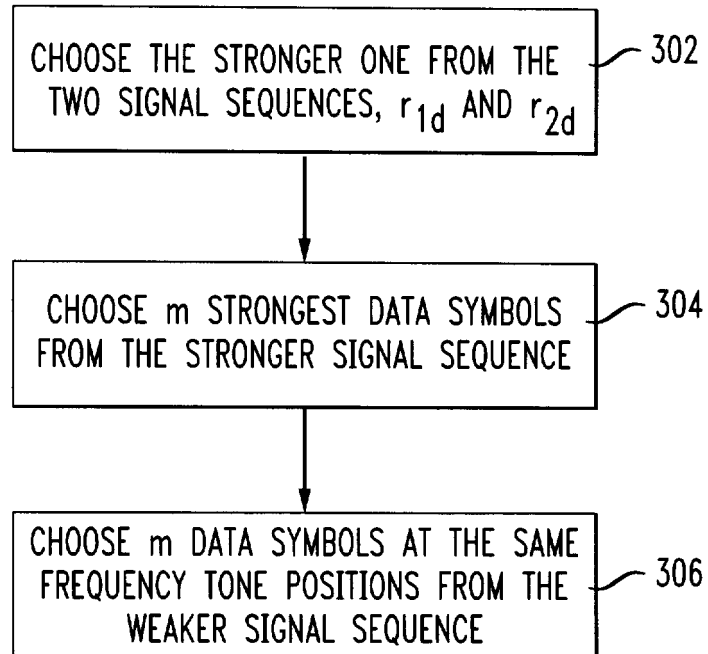


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FIG. 3b



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FIG. 4

SCANNED, # 12

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION <input checked="" type="checkbox"/> Declaration Submitted with Initial Filing OR <input type="checkbox"/> Declaration submitted after Initial Filing	Attorney Docket Number	200-0084
	First Named Inventor	T. J. Lo
	COMPLETE IF KNOWN	
	Application Number	
	Filing Date	
	Group Art Unit	
	Examiner Name	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.
 I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Turbo Channel Estimation For OFDM Systems

(Title of Invention)

the specification of which

- ☐ is attached hereto
 OR
☐ was filed on _____ as United States Application Number or PCT International
 Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of an application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) below.

Application Number(s)	Filing Date(MM/DD/YYYY)	
		<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto

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Attorney Docket Number: 2001-0084

DECLARATION - Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT International application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

☐ Customer Number

Place Customer Number Bar Code Label here

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☒ Registered practitioner(s) name/registration number listed below

Name	Registration Number	Name	Registration Number
CANAVAN, Robert T.	37592	CONOVER, Michele L.	34962
DELACRUZ, Cedric G	36498	DWORETSKY, Samuel H.	27873
GARG, Rohini K	45272	GORRIE, Gregory J.	36530
ISAACSON, Thomas M.	44166	LEE, Benjamin S.	42787
LEVY, Robert B.	28234	MCGAHAN, Susan E.	35948

☒ I also appoint the following additional registered practitioner(s) named on the Registered Practitioner Information (Supplemental Sheet) (PTO/SB/02C modified by AT&T Corp.) attached hereto with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

Direct all Correspondence to:

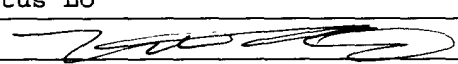
☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence address below

NAME	Samuel H. Dworesky				
ADDRESS	AT&T CORP. P.O. Box 4110				
CITY	Middletown	STATE	New Jersey	ZIP CODE	07748-4110
COUNTRY	United States of America			FAX	732-368-6932

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Name	Titus Lo		
Signature			Date 6/8/2001
Citizenship	Canada		
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Address (line 2)	Redmond		
Address (line 3)	King County		
Address (line 4)	Washington		
Address (line 5)	USA		
Zip Code	98052		
<input checked="" type="checkbox"/> Additional Inventors are being named on the 1 separately numbered sheets attached hereto			

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Attorney Docket Number: 2001-0084

DECLARATION**ADDITIONAL INVENTOR(S)**
Supplemental Sheet
Page of**Name of Additional Joint Inventor, if any:** ☐ A petition has been filed for this unsigned inventor**Name** Ruifeng Wang**Signature** *Ruifeng Wang***Date** Apr 25, 2001**Citizenship** Canada**Address (line 1)** 4850 156th Ave., NE, Apt. 228**Address (line 2)** Redmond**Address (line 3)** King County**Address (line 4)** Washington**Address (line 5)** USA**Zip Code** 98052**Name of Additional Joint Inventor, if any:** ☐ A petition has been filed for this unsigned inventor**Name****Signature****Date****Citizenship****Address (line 1)****Address (line 2)****Address (line 3)****Address (line 4)****Address (line 5)****Zip Code****Name of Additional Joint Inventor, if any:** ☐ A petition has been filed for this unsigned inventor**Name****Signature****Date****Citizenship****Address (line 1)****Address (line 2)****Address (line 3)****Address (line 4)****Address (line 5)****Zip Code****Name of Additional Joint Inventor, if any:** ☐ A petition has been filed for this unsigned inventor**Name****Signature****Date****Citizenship****Address (line 1)****Address (line 2)****Address (line 3)****Address (line 4)****Address (line 5)****Zip Code**

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Attorney Docket Number: 2001-0084

DECLARATION**Registered Practitioner
Information
(Supplemental Sheet)**

Name		Registration Number	Name		Registration Number
MONKA, Gary H.		35290	NAVON, Jeffrey M		32711
RESTAINO, Thomas A.		33444	STEINMETZ, Alfred G.		22971
SZWERC, Christine		43177	ZIEROTH, Lee W.		28550

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